

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1. (Original) A method for measuring the kinase activity of a Cdc7-ASK complex, comprising the following steps:
  - (a) contacting a substrate protein with the Cdc7-ASK complex under conditions that allow phosphorylation of the substrate protein, wherein the substrate protein is a protein comprising the amino acid sequence of SEQ ID NO: 1, or a protein functionally equivalent to that protein;
  - (b) measuring the level of phosphorylation of a serine residue of the substrate protein at the position corresponding to position 17 in the amino acid sequence of SEQ ID NO: 1; and
  - (c) measuring the kinase activity of the Cdc7-ASK complex using the level of phosphorylation as an indicator.
2. (Original) The method according to claim 1, wherein the level of phosphorylation is measured based on the level of binding of an antibody that identifies the level of phosphorylation of the serine residue.
3. (Original) The method according to claim 1, wherein the Cdc7-ASK complex is derived from a biological sample.

Claims 4-7. (Cancelled)

8. (Original) A kit for measuring the kinase activity of a Cdc7-ASK complex comprising:

- (a) a substrate protein comprising a continuous amino acid sequence that comprises a serine residue at position 17 of the amino acid sequence of SEQ ID NO: 1, and that which is selected from the amino acid sequence of SEQ ID NO: 1; and
- (b) an antibody that identifies the level of phosphorylation of the serine residue of the substrate protein at the position corresponding to position 17 of the amino acid sequence of SEQ ID NO: 1.

Claims 9-14. (Cancelled)